



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,253	11/08/2001	Tomoyuki Ohno	35.C15940	5016
5514 7590 04/30/2007 FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112			EXAMINER MILIA, MARK R	
			ART UNIT 2625	PAPER NUMBER
			MAIL DATE 04/30/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

09/986,253

Applicant(s)

OHNO ET AL.

Examiner

Mark R. Milia

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 09 February 2007.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 69-80 and 82 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 69-80 and 82 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Response to Amendment*

1. Applicant's amendment was received on 2/9/07 and has been entered and made of record. Currently, claims 69-80 and 82 are pending.

### *Response to Arguments*

2. Applicant's arguments filed 2/9/07 have been fully considered but they are not persuasive.

Applicant asserts that nothing has been found in Narushima (US 6870571) that would teach or suggest "a receiving unit adapted to receive television broadcasting data which includes an image data of a broadcasting program, a printing data related to the broadcasting program, and print additional information indicating an attribute of the printing data", as set forth in the newly added limitation in claims 69 and 75. The examiner respectfully disagrees as Narushima does teach, or at the very least suggest, the above cited feature. Particularly, Narushima states that digital broadcasting signals include moving image information, still image information, and service information (SI) (see column 9 lines 39-42). The SI may include an electronic program guide (EPG) information and detailed program information as well as other pieces of information (see column 10 lines 52-56) that is decoded by data decoder **58** and sent to the CPU **65**.

Art Unit: 2625

Narushima further goes on to state that the CPU **65** extracts the information to be developed by the printer **32** as SI printing signal on the basis of the SI control signal output from the data decoder **58** (see column 25 lines 50-55). The SI printing signal is then output to the printer **32** by way of a second signal transmission means, which is different from the first signal transmission means that is used to transmit the video data information. The information transmitted from the STB **30** to the printer **32** through the second signal transmission means includes service information and character information (print additional information) (see column 26 lines 25-40). Narushima also states that printer control signals are transmitted between the STB **30** and the printer **32**, which can specify the size and the contents of each image to be printed (see column 13 lines 24-34). Thus, it can be seen that Narushima discloses, or at the very least suggests, broadcasting data that includes a broadcasting program, printing data related to the broadcasting program, and print additional information (character information).

The applicant also asserts that nothing has been found in Narushima or Nabeta (JP 07-076155) that would teach or suggest "an acquiring unit adapted to extract the print attribute information from the television broadcasting data received by said receiving unit," "an analyzing unit adapted to analyze the contents of the print additional information acquired by said acquiring unit" or "a display control unit adapted to output, to a display device, display data for displaying the contents of the print additional information analyzed by said analyzing unit, together with the image data included in the television broadcasting data received by said receiving unit," as recited in Claim 69.

Art Unit: 2625

The examiner respectfully disagrees as Narushima does teach, or at the very least suggest, the above features. Particularly, Narushima states that digital broadcasting signals include moving image information, still image information, and service information (SI) (see column 9 lines 39-42). The SI may include an electronic program guide (EPG) information and detailed program information as well as other pieces of information (see column 10 lines 52-56) that is decoded by data decoder **58** and sent to the CPU **65**. Narushima further goes on to state that the CPU **65** extracts the information to be developed by the printer **32** as SI printing signal on the basis of the SI control signal output from the data decoder **58** (see column 25 lines 50-55). The SI printing signal is then output to the printer **32** by way of a second signal transmission means, which is different from the first signal transmission means that is used to transmit the video data information. The information transmitted from the STB **30** to the printer **32** through the second signal transmission means includes service information and character information (print additional information) (see column 26 lines 25-40). Further, Narushima discloses a synthesizer **153**, equivalent to synthesizer **59**, that combines the video data extracted by the printing data extracting section **82**, the SI printing signal output from the data decoder **152**, and the SI recording signal produced as a result of the transforming operation of the printer CPU system **87**. Narushima also discloses displaying video data, which is program data and print data, and also SI data (see column 11 lines 19-30 and column 12 lines 16-27). Narushima also states that character information (print additional information) can be displayed after the CPU **65** converts the SI data utilizing font data stored in a font ROM according to the control

Art Unit: 2625

signal output from the data decoder **58** (see column 13 lines 16-23). Nabeta discloses displaying print additional information (time to print) prior to the print job being sent to the printed output section. Therefore, it would have been obvious to combine Nabeta with Narushima to arrive at a system that displays print additional information with the image data of a broadcasting program prior to printing.

Therefore, the rejection of claims 69-80 and 82 is maintained.

***Claim Rejections - 35 USC § 103***

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 69-80 and 82 are rejected under 35 U.S.C. 103(a) as being unpatentable over Narushima (US 6870571) in view of Nabeta (JP 07-076155).

Regarding claims 69, 75, and 82, Narushima discloses a television broadcasting data receiving apparatus, comprising: a receiving unit adapted to receive television broadcasting data which includes an image data of a broadcasting program, a printing data related to the broadcasting program, and print additional information indicating an attribute of the printing data (see column 4 lines 49-55, column 8 lines 15-20, column 9 line 21-column 11 line 5, and column 25 line 43-column 26 line 40), an acquiring unit adapted to extract the print attribute information from in the television broadcasting data received by said receiving unit (see column 9 line 21-column 11 line 5, column 15 lines 5-36, column 16 line 46-column 17 line 6, column 21 line 64-column 23 line 35, and

Art Unit: 2625

column 25 line 43-column 26 line 40), an analyzing unit adapted to analyze the contents of the print additional information acquired by said acquiring unit (see column 9 line 21-column 11 line 5, column 13 lines 24-56, column 15 lines 5-36, column 16 line 46-column 17 line 6, column 21 line 64-column 23 line 35, and column 25 line 43-column 26 line 40), receiving print additional information together with the image data included in the television broadcasting data received by said receiving unit (see column 13 lines 24-56) and a display control unit adapted to output, to a display device, display data for displaying the contents of print additional information (see column 13 lines 24-56).

Narushima does not disclose expressly displaying to a display device on the basis of the print additional information analyzed by said analyzing unit, display data for displaying the print additional information analyzed by said analyzing unit, together with program data.

Nabeta discloses displaying to a display device on the basis of the print additional information analyzed by said analyzing unit, display data for displaying the print additional information analyzed by said analyzing unit, together with program (print data) data (see abstract and paragraphs [0005], [0006], and [0015]).

Narushima & Nabeta are combinable because they are from the same field of endeavor, displaying and printing of desired information.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the display of the wait time until a print job is complete, as described by Nabeta, with the system of Narushima.

The suggestion/motivation for doing so would have been to provide a way to inform a user of the time it will take to print a job to alleviate the chance of a user accidentally trying to print an image a plurality of times.

Therefore, it would have been obvious to combine Nabeta with Narushima to obtain the invention as specified in claims 69, 75, and 82.

Regarding claims 70 and 76, Narushima further discloses wherein the print additional information includes at least one of information indicating a print sheet size of the printing data, information indicating the number of the print sheets of the printing data, and information indicating the type of the printing data (see column 9 line 21-column 11 line 5, column 15 lines 5-36, column 16 line 46-column 17 line 6, column 21 line 64-column 23 line 35, and column 25 line 43-column 26 line 40).

Regarding claims 71 and 77, Narushima further discloses an accepting unit adapted to accept a printing instruction from a user (see column 13 lines 35-43 and column 15 lines 5-36), and a print controlling unit adapted to control the output of the print data to a print device on the basis of the printing instruction (see column 16 line 46-column 17 line 6 and column 22 line 49-column 23 line 35), wherein said accepting unit accepts the printing instruction from the user in a period during which said display controlling unit effects a display which indicates that printing based on the print additional information is possible (see column 15 lines 5-45 and column 21 line 64-column 23 line 35).



Regarding claims 72 and 78, Narushima further discloses an accepting unit adapted to accept a storing instruction from a user (see column 13 lines 35-43 and column 15 lines 5-36), and a storage controlling unit adapted to store the print data in a storage unit on the basis of the storing instruction (see Figs. 8 and 20 "140" and column 24 line 29-column 25 line 20), wherein said accepting unit accepts the storing instruction from the user in a period during which said display controlling unit effects a display which indicates that storing based on the print additional information is possible (see column 15 lines 5-45 and column 24 line 29-column 25 line 20).

Regarding claims 73 and 79, Nabeta further discloses wherein the print additional information includes information for specifying a transmission period of time of the print data, and wherein said display controlling unit displays a print execution time of the print data on the basis of the transmission period (see abstract and paragraphs [0005], [0006], and [0015]).

Regarding claims 74 and 80, Narushima further discloses wherein in case that there are a plurality of types of print additional information to be displayed by said display device, said display controlling unit displays the respective display data associated with the plurality of types of print additional information so that the display of each of the respective display data is switched over there between at a predetermined time interval (see Fig. 10, column 13 lines 24-56, and column 15 line 5-column 16 line 45).

***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Milia whose telephone number is (571) 272-7408. The examiner can normally be reached M-F 8:00am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Lamb can be reached at (571) 272-7406. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2625

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MRM

Mark R. Milia  
Examiner  
Art Unit 2625



TWYLER LAMB  
SUPERVISORY PATENT EXAMINER